

In the Claims:

Cancel claims 28 and 29, and add claims 30-54.

1-29. (cancelled)

30.(new) An electrical connection device for connecting a multi-core machine cable to a suitable other electrical device, the multi-core machine cable being of the type having insulated cores individually surrounded by earth-potential layers, the device comprising:

an insulating body;

a plurality of insulating sleeves extending into the body;

a plurality of core coupling means each being at least in part positioned in a respective insulating sleeve, each core coupling means being connectable to a respective core of the machine cable and having a first contact surface for connecting to a terminal of the suitable other electrical device so as to provide electrical connections of the machine cable with the suitable other electrical device; and

a plurality of spaced apart earth coupling means surrounding at least a portion of respective insulating sleeves, each earth coupling means being connectable to a respective earth-

potential layer of the machine cable and having a second contact surface for connecting to an earth potential terminal of the suitable other electrical device,

wherein the core coupling means are earth-potential screened from one another so that a continuation of individual earth-connections to the suitable other electrical connection device is possible.

31.(new) The electrical connection device as claimed in claim 30 wherein each core coupling means is surrounded by a respective insulating sleeve which is surrounded along its length by a respective earth-potential coupling means which typically comprises a conductive layer.

32.(new) The electrical connection device as claimed in claim 30 arranged such that, within the body, each core and the respective core coupling means are, in use, surrounded by a respective conductive layer or by the earth potential layer of the respective core.

33.(new) The electrical connection device as claimed in claim 30 wherein each insulating sleeve is surrounded along its length by a respective conductive layer.

34.(new) The electrical connection device as claimed in claim 30 wherein the core coupling means comprises a pin.

35.(new) The electrical connection device as claimed in claim 30 wherein the core coupling means comprises a socket.

36.(new) The electrical connection device as claimed in claim 30 having ring-like contacts which comprise the second contact surfaces, each ring-like contact being positioned at a respective one of the apertures and electrically contactable with respective ones of individual conductive layers which the earth coupling means comprises.

37.(new) The electrical connection device as claimed in claim 30 having ring-like contacts which comprise the second contact surface, each ring-like contact being positioned within a respective one of the apertures and electrically contactable with respective ones of the individual conductive layers.

38.(new) The electrical connection device as claimed in claim 30 wherein the insulating sleeves are provided in form of tubes.

39.(new) The electrical connection device as claimed in claim 38 wherein each tube has a thread at one end.

40.(new) The electrical connection device as claimed in claim 36 wherein the insulating sleeves are provided in form of tubes having a thread at one end and wherein the ring-

like contacts are provided in form of nuts that are receivable by the threads of the insulating tubes.

41.(new) The electrical connection device as claimed in claim 37 wherein the insulating sleeves are provided in form of tubes having a thread at one end and wherein the ring-like contacts are provided in form of nuts that are receivable by the threads of the insulating tubes.

42.(new) The electrical connection device as claimed in claim 41 wherein, in use, each conductive layer is in electrical contact with a respective nut.

43.(new) The electrical connection device as claimed in claim 42 wherein each nut has an electrical conductive surface on its thread.

44.(new) The electrical connection device as claimed in claim 43 wherein each nut is composed of an electrically conductive material

45.(new) The electrical connection device as claimed in claim 30 arranged such that, when the electrical connection device is connected to the suitable other electrical device, a coupling means of the suitable other electrical device is positioned at least in part within a respective one of the insulating sleeves of the electrical connection device.

46.(new) The electrical connection device as claimed in claim 30 wherein the multi-core machine cable is a three-core machine cable and the electrical connection device comprises three apertures and three insulating tubes associated with the apertures.

47.(new) The electrical connection device as claimed in claim 30 wherein the device comprises an exterior surface portion that is metallic.

48.(new) The electrical connection device as claimed in claim 30 wherein the device comprises an exterior surface portion that is electrically insulating.

49.(new) The electrical connection device as claimed in claims 48 wherein the body is composed of a polymeric material.

50.(new) The electrical connection device as claimed in claim 30 wherein each insulating sleeve is surrounded by a plurality of conductive layer which are electrically isolated so that, in use, a plurality of separate earth potential screens is established.

51.(new) The electrical connection device as claimed in claim 30 being suitable for delivery of more than 100 kW of power.

52.(new) The electrical connection device as claimed in claim 30 being suitable for delivery of more than 1 MW of power.

53.(new) An electrical connection device for connection to a suitable other electrical device the device comprising:

a multi-core machine cable of the type having insulated cores individually surrounded by earth-potential layers;

an insulating body;

a plurality of insulating sleeves extending into the body;

a plurality of core coupling means each being at least in part positioned in a respective insulating sleeve, each core coupling means being connected to a respective core of the machine cable and having a first contact surface for connecting to a terminal of the suitable other electrical device so as to provide electrical connections of the machine cable with the suitable other electrical device; and

a plurality of spaced apart earth coupling means surrounding respective insulating sleeves, each earth coupling means being connected to a respective earth-potential layer of the machine cable such that, within the body, each core and the respective core coupling means are

surrounded by a respective conductive layer or by the earth potential layer of the respective core, the earth coupling means having a second contact surface for connecting to an earth potential terminal of the suitable other electrical device,

wherein the core coupling means are earth-potential screened from one another so that a continuation of individual earth-connections to the suitable other electrical connection device is possible.

54.(new) A system comprising:

at least one electrical connection devices as claimed in claim 1;

at least one multi-core machine cable being of the type having insulated cores individually surrounded by earth-potential layers; and

at least one electrical machine,

wherein the system is arranged so that electricity is delivered through the or each machine cable and through the or each electrical connection device and wherein the electricity associated with each core is individually earth-potential screened in the multi-core cable and in the or each electrical connection device.

Respectfully submitted,



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